

November 1996

General Purpose High Current NPN Transistor Arrays

Features

- CA3081 - Common Emitter Array
- CA3082 - Common Collector Array
- Directly Drive Seven Segment Incandescent Displays and Light Emitting Diode (LED) Display
- 7 Transistors Permit a Wide Range of Applications in Either a Common Emitter (CA3081) or Common Collector (CA3082) Configuration
- High I_C 100mA (Max)
- Low V_{CESAT} (at 50mA) 0.4V (Typ)

Applications

- Drivers for
 - Incandescent Display Devices
 - LED Displays
 - Relay Control
- Thyristor Firing

Description

CA3081 and CA3082 consist of seven high current (to 100mA) silicon NPN transistors on a common monolithic substrate. The CA3081 is connected in a common emitter configuration and the CA3082 is connected in a common collector configuration.

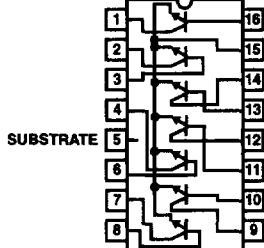
The CA3081 and CA3082 are capable of directly driving seven segment displays, and light emitting diode (LED) displays. These types are also well suited for a variety of other drive applications, including relay control and thyristor firing.

Ordering Information

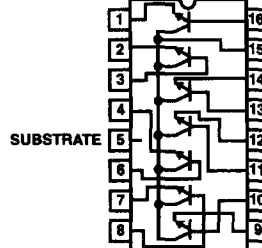
PART NUMBER (BRAND)	TEMP. RANGE (°C)	PACKAGE	PKG. NO.
CA3081	-55 to 125	16 Ld PDIP	E16.3
CA3081F	-55 to 125	16 Ld CERDIP	F16.3
CA3081M (3081)	-55 to 125	16 Ld SOIC	M16.15
CA3081M96 (30B1)	-55 to 125	16 Ld SOIC Tape and Reel	M16.15
CA3082	-55 to 125	16 Ld PDIP	E16.3
CA3082F	-55 to 125	16 Ld CERDIP	F16.3
CA3082M (3082)	-55 to 125	16 Ld SOIC	M16.15
CA3082M96 (30B2)	-55 to 125	16 Ld SOIC Tape and Reel	M16.15

Pinouts

CA3081
COMMON EMITTER CONFIGURATION
(PDIP, CERDIP, SOIC)
TOP VIEW



CA3082
COMMON COLLECTOR CONFIGURATION
(PDIP, CERDIP, SOIC)
TOP VIEW



5
STANDARD PRODUCTS